

Appl. No. 09/661,214
Amdt. dated January 26, 2005
Reply to Office action of November 26, 2004

REMARKS/ARGUMENTS

Applicants appreciate the allowance of the application. FIGs. 11 and 12 (also FIG. 13) which were objected to by the Examiner, have been updated (as well as the sheet having FIG. 61), marked-up drawings and a set of replacement drawings sheets are enclosed with this response. The text associated with Figures 11 and 12 has been moved from the drawings into the specification; no new matter has been added. As amended, FIG. 11 and 12 are believed to be in condition to overcome the noted objection.

The objection to the Brief Description of Drawings section due to missing drawing descriptions has been addressed; it is believed that the noted objection has been overcome.

The title has been amended per the Examiner's constructive comments. As amended, the title is believed to be in condition for allowance.

Applicants respectfully request reconsideration and that a timely Notice of Allowance be issued in this case. It is believed that no extensions of time or fees are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required (including fees for net addition of claims) are hereby authorized to be charged to Hewlett-Packard Development Company's Deposit Account No. 08-2025.

Respectfully submitted,



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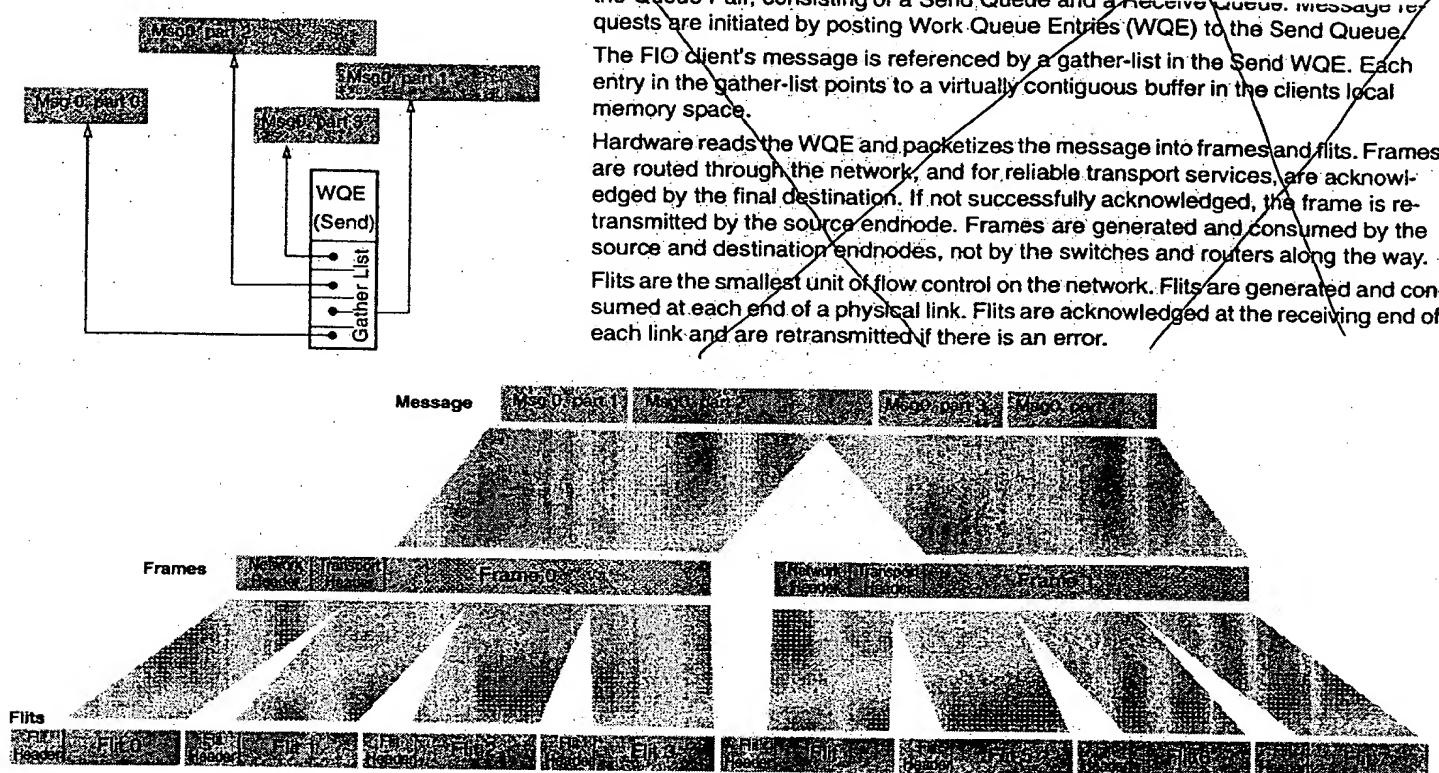
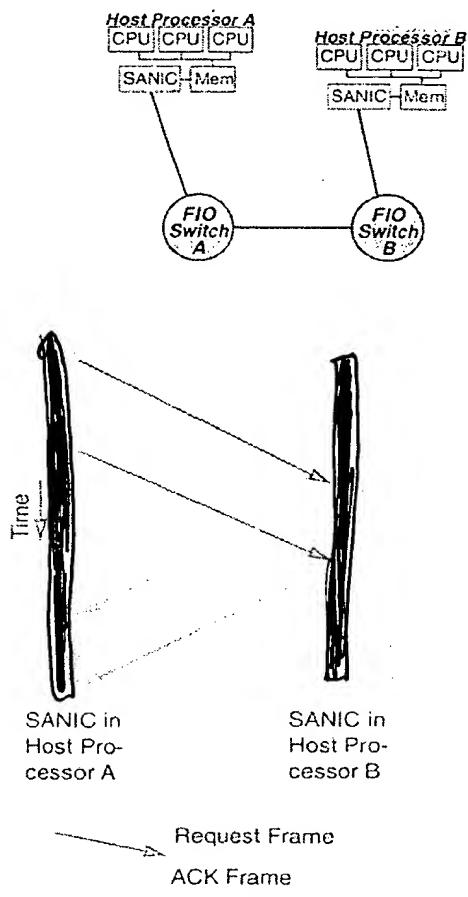


Figure 11 An FIO message partitioned into Frames and Flits

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 Annotated Sheet Showing Changes



Using the message shown in Figure 11 on page 37, the Send request message is sent as two frames. Each request frame is in turn broken down into 4 flits. These ladder diagrams show the request and ACK frames going between the source and destination endnodes as well as the request and ACK flits between the source and destination of each link.

This diagram shows a message being sent with a reliable transport. Each request frame is individually acknowledged by the destination endnode.

The second part of the diagram shows the flits associated with the request and acknowledgment frames passing among the processor endnodes and the two FIO switches. An ACK frame fits inside one flit. One acknowledgement flit acknowledges several flits.

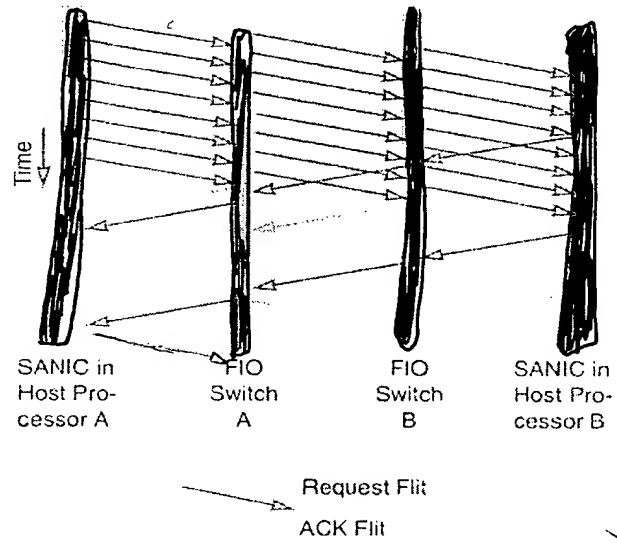
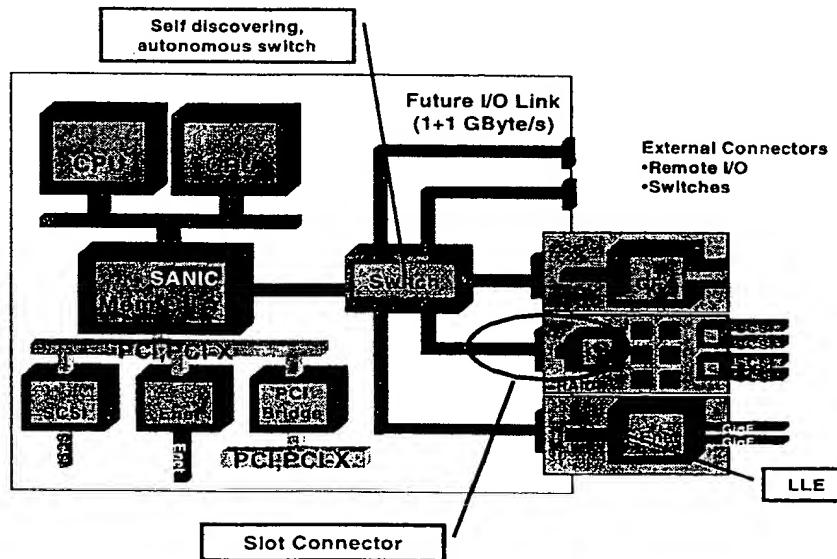


Figure 12 Multiple Request Frames (and Flits) and Their Acknowledgment Frames (and Flits)

Figure 13 Single Board Computer



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DRAFT -- for Examiner's APP review

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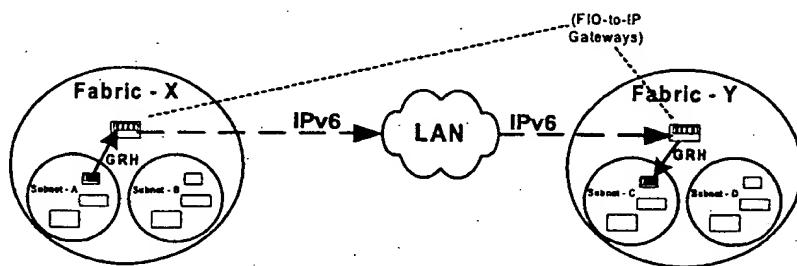


Figure 61— While IPv6 interoperability is a key advantage for FIO, management messages may not route via IP

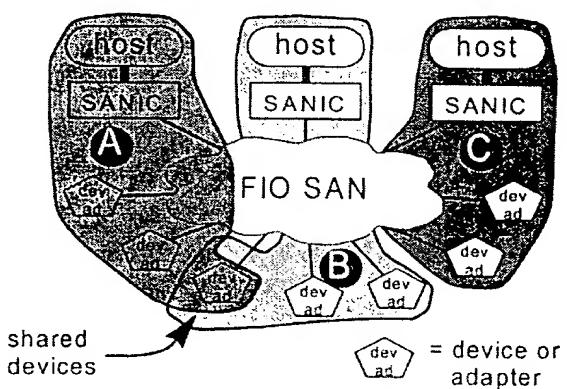


Figure 62 Example Endpoint Partitions of an FIO-Connected Cluster

Figure 65 - Simple Tree with Mixed Bandwidth Links and Adapter and Router Leaves

